

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
(use as many sheets as necessary)				Detering et al	
Sheet 1 of 4				Unknown	
				Unknown	
				Attorney Docket Number	
				EGG-PI-413 RE	

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SK		3,051,639	08/1962	Anderson	
		3,123,464	03/1964	Casey et al.	
		3,211,548	10/1965	Scheller et al.	
		3,408,164	10/1968	Johnson	
		3,429,691	02/1969	McLaughlin	
		3,630,718	12/1971	Newenschwander	
		3,738,824	06/1973	Davis et al.	
		3,840,750	10/1974	Davis et al.	
		3,914,573	10/1975	Muehlberger	
		3,954,954	05/1976	Davis et al.	
		3,992,193	11/1976	Fey et al.	
		4,022,872	05/1977	Carson et al.	
		4,080,194	03/1978	Fey	
		4,107,445	08/1978	Wolf et al.	
		4,145,403	03/1979	Fey et al.	
		4,146,389	03/1979	Karlovitz	
		4,164,553	08/1979	Perugini et al.	
SK		4,335,080	06/1982	Davis et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
SK		JP 30-7408		10/15/1955	Ishizuka	
		DE/DD 1 142 159		01/10/1963	Harnisch et al.	
		JP 38-6854		05/23/1963	Waku	
		SU 322960		01/05/1975	Mil'ko et al.	
		FR 2 341 389		09/16/1977	Perugini et al.	
		SU 223055		06/15/1982	Chesnokov et al.	
		FR 2 603 209		03/04/1988	Serole	
		DD 269 157 A1		06/21/1989	Hoffmann et al.	
		GB 2 217 699 A		11/01/1989	Egerton et al.	
		DD 293 704		09/05/1991	Dummersdorf et al.	
SK		GB 2 279 009 A		12/21/1994	Briquet	

Examiner Signature	S. Kastler	Date Considered	9/05
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**INFORMATION DISCLOSURE
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of

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		Number - Kind Code ² (if known)			
SK		4,347,060	08/1982	Blizzard et al.	
		4,356,029	10/1982	Down et al.	
		4,410,358	10/1983	Heshmatpour	
		4,561,883	12/1985	Mullner et al.	
		4,610,718	09/1986	Araya et al.	
		4,612,045	09/1986	Shintaku	
		4,731,111	03/1988	Kopatz et al.	
		4,762,756	08/1988	Bergmann et al.	
		4,772,315	09/1988	Johnson et al.	
		4,783,216	11/1988	Kemp et al.	
		4,801,435	01/1989	Tylko	
		4,851,262	07/1989	McFeaters	
		4,875,810	10/1989	Chiba et al.	
		4,891,066	01/1990	Shimotori et al.	
		4,909,914	03/1990	Chiba et al.	
		4,911,805	03/1990	Kenji et al.	
		5,017,754	05/1991	Drouet et al.	
SK		5,028,417	07/1991	Gulguhji et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ² - Number ⁴ - Kind Code ³ (if known)				

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Sheet	3	of	4	Detering et al	Unknown
				Unknown	EGG-PI-413 RE

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Sheet 4 of 4

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First Named Inventor	Detering et al
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Examiner Name	Unknown
Attorney Docket Number	EGG-BL 413 DE

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SIC		McFeaters, J., et al., Application of Nonequilibrium Gas-Dynamic Techniques to the Plasma Synthesis of Ceramic Powders, VCH Publications, 1990, Chapter 46, pp. 431-446.	
SIC		Krasnov et al., Low Temperature Plasma in Metallurgy (No Date)	
SIC		Zvetkov, J.V., et al., Low Temperature Plasma Used in Recovery Processes, Section 6, Academy of Science of the USSR, Institute of Metallurgy Named After A.A. Baikov (No Date)	
SIC		Down, M.G., Titanium Production by a Plasma Process, Final Technical Report, Materials Laboratory, Air Force Wright Aeronautical Laboratories (#AD A 121892), May 1982, pp. 1-8.	
SIC		"The INEL Plasma Research Program," Idaho National Engineering Laboratory (BP422E-R0592-1M-T), May 1992.	

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